

**Notice of Allowability**

Application No.

09/915,337

Examiner

CHAMELI C. DAS

Applicant(s)

FUCHS ET AL.

Art Unit

2192

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the request for reconsideration filed on 12/8/05.
2. ☒ The allowed claim(s) is/are 1,3-6 (newly numbered claims are 1-5).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>1/3/06</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                       |
|   | 9. <input type="checkbox"/> Other _____  |

1. This action is in response to the request for reconsideration filed on 12/8/05.
2. In view of applicant's remarks, the final rejection made on the previous office action (9/8/05) is hereby withdrawn.
3. Claim 2 has been canceled.
4. Claims 1, 3-6 have been allowed.
5. Drawings filed on 7/27/01 and 9/21/04 have been accepted by the Examiner.

#### **EXAMINER'S AMENDMENT**

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Andrew T. Harry, applicant's attorney on 1/3/06.

The application has been amended as follows:

***In the claims:***

***Claim 1 (Currently amended)***

at line 1, after "generator" and before "configured", insert executed on a computer,

at line 3, after "receive", insert two series of input data,

***REASON FOR ALLOWANCE***

7. The following is an examiner's statement of reason for allowance:

The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, a computer code generator executed on a computer, configured to generate a computer code from a specification file, comprising: a front end configured to receive two series of input data, a specification file and a grammar file corresponding to a language of the specification file; the front end configured to create an intermediate file by using the grammar file and the specification file to perform a grammatical and syntactical analysis of the specification file, wherein all data extracted from the specifications file by the front end is associated with a node in a tree, as recited in the independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

9. The prior art made or record and not relied upon is considered pertinent to applicant's disclosure.

TITLE: Method and apparatus for data flow analysis, US 6226789 B1

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TITLE: Pointer analysis by type inference for programs with structured memory objects and potentially inconsistent memory object accesses, US 6202202 B1

TITLE: Method and apparatus for forming a translation unit, US 5842017 A

TITLE: Method of constructing a constant-folding mechanism in a Multilanguage optimizing compiler, US 5836014 A

TITLE: System and method for constraint propagation cloning for unknown edges in IPA, US 5812855 A

TITLE: Interface for symbol table construction in a Multilanguage optimizing compiler, US 5659753 A

TITLE: Optimizing compiler using templates corresponding to portions of an intermediate language graph to determine an order of evaluation and to allocate lifetimes to temporary names for variables, US 5613117 A

TITLE: Compiler back end calling predetermined front end routines that use effect and dependency indicators to provide information to the compiler to determine the validity of an optimization, US 5493675 A

TITLE: Interprocedural analysis user interface, US 5778212 A

TITLE: Compiler with generic front end and dynamically loadable back ends, US 5812851 A .

TITLE: A Portable Optimizing Compiler for Module-2, author: Powell, ACM, 1984.

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TITLE: An Extensible System for Source Code Analysis, author: Canfora et al, IEEE, 1997.

TITLE: DML – A Meta-language and System for the Generation of Practical and Efficient compilers from Denotational Specifications, author: Patterson et al, IEEE, 1992.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chameli Das whose telephone number is 571-272-3696.

The examiner can normally be reached on Monday-Friday from 7:00 A.M. to 3:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Tuan Dam can be reached at 571-272-3695. The fax number for this group is (571) 273-8300.

An inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 571-272-2100.

*Chameli C. Das*  
**CHAMELI C. DAS**  
**PRIMARY EXAMINER**

*1/4/06*